



PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Office of Initial Patent Examination, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Oct. 15, 2004
Date

Denise Sheridan
Denise Sheridan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/815,877

Confirmation No. : 9106

Applicants : Brent Keeth et al.

Filed : March 30, 2004

Attorney Docket No.: 500644.03

Art Unit : 2188

Customer No. : 27,076

Examiner : Reginald G. Bragdon

Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY
AS CACHE MEMORY

Office of Initial Patent Examination
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**TRANSMITTAL IN REPLY TO RESPONSE TO REQUEST FOR CORRECTED FILING
RECEIPT**

Sir:

Applicants acknowledge receipt of the Response to Request for Corrected Filing Receipt dated August 17, 2004, and enclose a copy of the same. Applicants filed their request for a corrected filing receipt on July 2, 2004. The request for a corrected filing receipt was filed because inventor Kevin J. Ryan was omitted from the filing receipt. The request included copies of original enclosures, from the parent application, correcting the inventorship. The same documents were received by the USPTO on July 6, 2004, as evidenced by the enclosed copy of the return date-stamped postcard. Applicants include another copy of the enclosures.

The parent application was filed August 17, 2000, Application No. 09/642,546. On July 11, 2001, in response to the notice to file missing parts dated April 13, 2001, Applicants filed a Substitute Declaration, Statement of Non-Deceptive Intent By Person Being Added By Petition, under 37 C.F.R. § 1.48 as required, and Assent of Assignee to Correct Inventorship.

The same documents were received by the USPTO on July 16, 2001, as evidenced by the enclosed copy of the return date-stamped postcard.

The substitute declaration was accepted and on August 16, 2001, the USPTO issued an updated filing receipt including inventor Ryan. A copy of the same is included for review.

Applicants believe no further petition is required in reply to the Response to Request for Corrected Filing Receipt since this application is a continuation of parent application no. 09/642,546, in which Kevin J. Ryan was listed as an inventor. There has been no change of inventorship from the parent application to the subject continuation application. If the Commissioner believes a petition is still warranted then this reply shall serve as the same and the Commissioner is authorized to withdraw any required fees from Deposit Account No. 50-1266.

Applicants respectfully request a corrected filing receipt.

Respectfully submitted,

DORSEY & WHITNEY LLP



Marcus Simon
Registration No. 50,258
Telephone No. (206) 903-8787

MS:dms

Enclosures:

- Postcard
- Copy of Response
- Copy of Postcard (Req. for Corrected Filing Receipt)
- Copies of Substitute Declaration, Stmt of Non-Deceptive Intent and Assent of Assignee
- Copy of Postcard (Resp. to Missing Parts – Parent Application)
- Copy of Updated Filing Receipt (Parent Application)

DORSEY & WHITNEY LLP
1420 Fifth Avenue, Suite 3400
Seattle, WA 98101-4010
(206) 903-8800 (telephone)
(206) 903-8820 (fax)

TFW



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/815,877	03/30/2004	Brent Keeth	500644.03 (29719/US/2)

Edward W. Bulchis, Esq.
 DORSEY & WHITNEY LLP
 Suite 3400
 1420 Fifth Avenue
 Seattle, WA 98101



CONFIRMATION NO. 9106



OC000000013559105

RECEIVED

AUG 19 2004

Date Mailed: 08/17/2004

DORSEY & WHITNEY LLP

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Claims, Fees, and Inventors

DOCKETED

September 17, 2004

In response to your request for a corrected Filing Receipt, the Office is unable to comply with the request because:

- ☐ The total number of claims appearing on the Filing Receipt does not include multiple dependent claims. The total fee appearing on the Filing Receipt includes the cost of multiple dependent claims that were present at the time the application was filed.
- ☐ The filing fee is correct. It may include additional claims fees and/or the surcharge under 37 CFR 1.16 (e) for filing an oath/declaration or basic filing fee after the application filing date; or it may not reflect fees refunded to the applicant that were paid by mistake.
- ☐ The number of claims reflected on the filing receipt is correct. Upon review of the claims, it was found that there was a miscalculation by the applicant. This may be due to improperly presented multiple dependent claims, typographical error, misnumbering of the claims, or other oversight. An amendment may be necessary to correct the problem.
- ☐ The filing fee reflected on the filing receipt is correct. Applicant may have miscalculated the fees due.
- ☐ Applicant calculated fees as other than small entity; however, applicant asserted small entity status in the application. Therefore, fees were applied as small entity and the remainder was refunded to the applicant.
- ☐ The difference between the fees paid and the fees due was refunded to the applicant and will not be shown on the filing receipt.
- ☐ The inventor information may be truncated if the family name consists of more than 50 characters (letters and spaces combined) and if the given name consists of more than 50 characters (letters and

spaces combined).

- ☐ The inventor's residence allows for up to 40 characters (letters and spaces combined).
- ☐ The inventor's residence will only include the city and state for U.S. residences or city and country for residences outside the U.S. (See MPEP 605.02).
- ☐ A petition to correct the inventorship is needed to make this change. See 37 CFR 1.48. For non-provisional applications, the petition should be directed to the Director of the examining group assigned to your application.
- ☒ Changes made after submission of an executed declaration to the inventor information other than correction of typographical errors must be submitted in the form of a substitute declaration. Change of inventorship requires a petition under 37 CFR 1.48.
- ☐ The number of drawings shown on the filing receipt reflects the number of drawing sheets submitted and is not necessarily equal to the number of figures submitted.
- ☐ The correspondence address was captured as directed by applicant on filing. If you wish correspondence to be directed otherwise, please submit a request for a change of address.
- ☐ The docket number allows a maximum of 25 characters.
- ☐ The person signing on behalf of the deceased inventor is reflected on the Filing Receipt as the legal representative.
- ☐ The filing date of a parent application cannot be changed by this request. A petition to correct the filing date in the parent application is required.



Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/642,546	08/17/2000	2185	1206	500644.01	2	27	6

Edward W Bulchis Esq
Dorsey & Whitney LLP
1420 Fifth Avenue Suite 3400
Seattle, WA 98101-4010



CONFIRMATION NO. 7867

UPDATED FILING RECEIPT



OC000000006434738

Date Mailed: 08/16/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Brent Keeth, Boise, ID;
Brian M. Shirley, Boise, ID;
Charles H. Dennison, San Jose, CA;
Kevin J. Ryan, Eagle, ID;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 10/27/2000

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

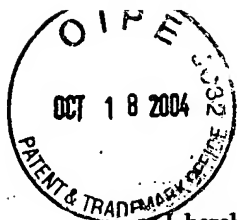
Title

Method and system for using dynamic random access memory as cache memory

Preliminary Class

711

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OCT 18 2004
PATENT & TRADEMARK OFFICE



PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Commissioner of Patents, Washington, DC 20231.

July 4, 2001
Date

Mary G. Painter
Mary G. Painter

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brent Keeth, Brian M. Shirley,
Charles H. Dennison, Kevin J. Ryan

Attorney Docket No.: 500644.01

Serial No. : 09/642,546

Group Art Unit : 2185

Filed : August 17, 2000

Examiner : not yet assigned

Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY AS
CACHE MEMORY

**STATEMENT OF NON-DECEPTIVE INTENT BY PERSON BEING ADDED BY
PETITION TO CORRECT INVENTORSHIP AND ADD ORIGINAL ERRONEOUSLY
NOT-NAMED INVENTOR IN NON-PROVISIONAL APPLICATION DECLARATION**
(37 C.F.R. § 1.48(a))

Commissioner of Patents
Washington, D.C. 20231

Sir:

I, Kevin J. Ryan, the person being added as an inventor by the petition being submitted to correct the inventorship of this patent application, do hereby declare that the inventorship error in failing to include my name as an inventor on this patent occurred without any deceptive intention on my part.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application

Kevin J. Ryan

Date: 6/4/01

K. J. Ryan



PATENT

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Date

July 11, 2001

Mary G. Painter
Mary G. Painter

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brent Keeth, Brian M. Shirley,
Charles H. Dennison, Kevin J. Ryan

Attorney Docket No.: 500644.01

Serial No. : 09/642,546

Group Art Unit : 2185

Filed : August 17, 2000

Examiner : not yet assigned

Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY AS
CACHE MEMORY

**ASSENT OF ASSIGNEE TO CORRECT INVENTORSHIP AND
ADD ORIGINAL ERRONEOUSLY NOT-NAMED INVENTOR IN
NON-PROVISIONAL APPLICATION DECLARATION (37 C.F.R. § 1.48(a))**

Commissioner of Patents
Washington, D.C. 20231

Sir:

Micron Technology, Inc., a corporation of the state of Delaware, having a place of business at 8000 South Federal Way, Boise, Idaho 83716-9632, and assignee of the entire interest in the above-identified application by virtue of an assignment filed March 30, 2001, and an assignment filed concurrently herewith, hereby assents to the correction of inventorship filed concurrently herewith.

Pursuant to 37 C.F.R. § 3.73(b), the undersigned duly authorized designee of Assignee certifies that the evidentiary documents have been reviewed, specifically the Assignments to MICRON TECHNOLOGY, INC., filed March 30, 2001, and also filed concurrently herewith, copies of which are attached hereto, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

MICRON TECHNOLOGY, INC.

Date:

7-6-01

By:

Michael L. Lynch

Michael L. Lynch
Chief Patent Counsel



SUBSTITUTE DECLARATION

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below our names.


We believe we are the original, first, and sole inventors of the invention entitled "METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY AS CACHE MEMORY," which is described and claimed in the application and claims of Patent Application No. 09/642,546, which we filed in the United States Patent and Trademark Office on August 17, 2000, and for which a patent is sought.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to herein (if any).

We acknowledge our duty to disclose information of which we are aware which is material to patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

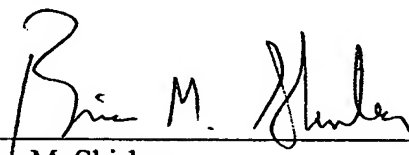
We acknowledge that an earlier declaration, filed with the United States Patent and Trademark Office on March 30, 2001, in response to a Notice to File Missing Parts, is defective in that inventor Kevin J. Ryan was not listed on the declaration. We affirm that the omission of inventor Kevin J. Ryan occurred by error and without deceptive intent. Therefore, we execute this Substitute Declaration with the intention of correcting the inventorship of this patent application by including inventor Kevin J. Ryan.

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.


Brent Keeth

Date 6/6/2001
Residence : City of Boise, County of Ada
State of Idaho

Citizenship : United States of America
P.O. Address : 5077 N. Fifeshire Place
Boise, Idaho 83713


Brian M. Shirley

Date 6/6/2001
Residence : City of Boise, County of Ada
State of Idaho

Citizenship : United States of America
P.O. Address : 2484 Sunshine Drive
Boise, Idaho 83712

Charles H. Dennison

Date _____
Residence : City of San Jose, County of Santa Clara
State of California

Citizenship : United States of America
P.O. Address : 5719 Algonquin Way
San Jose, California 95138

Brent Keeth

Date _____

Residence : City of Boise, County of Ada
State of Idaho

Citizenship : United States of America

P.O. Address : 5077 N. Fifeshire Place
Boise, Idaho 83713

Brian M. Shirley

Date _____

Residence : City of Boise, County of Ada
State of Idaho

Citizenship : United States of America

P.O. Address : 2484 Sunshine Drive
Boise, Idaho 83712

Charles H. Dennison

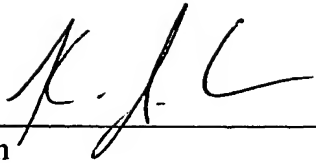
Charles H. Dennison

Date 6-28-01

Residence : City of San Jose, County of Santa Clara
State of California

Citizenship : United States of America

P.O. Address : 5719 Algonquin Way
San Jose, California 95138


Kevin J. Ryan

Date

6/4/01

Residence : City of Eagle, County of Ada
- State of Idaho
Citizenship : United States of America
P.O. Address : 3676 W. Deerfield Drive
Eagle, Idaho 83616

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Washington, DC 20231

500644.01
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SENT: July 11, 2001
DUE: July 13, 2001

Kindly acknowledge receipt of the below-listed documents by placing
your receiving stamp hereon and mailing:

Check; Fee Transmittal Sheet (+ copy); Copy of Notice to File Missing Parts; Response
to Notice to File Missing Parts (+ copy); Substitute Declaration; Statement of Non-
Deceptive Intent; Assent of Assignee to Correct Inventorship; Form PTO-1595;
Assignment; in re: Brent Keeth et al., USAN 09/642,546, filed August 17, 2000, for
**METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY
AS CACHE MEMORY.**

DORSEY & WHITNEY LLP

HAIP\Do

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EWB:dms

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Commissioner of Patents
Washington, DC 20231

SENT: July 11, 2001
DUE: July 13, 2001

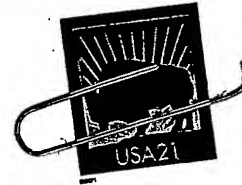
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Check; Fee Transmittal Sheet (+ copy); Copy of Notice to File Missing Parts; Response
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Deceptive Intent; Assent of Assignee to Correct Inventorship; Form PTO-1595;
Assignment; in re: Brent Keeth et al., USAN 09/642,546, filed August 17, 2000, for
**METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY
AS CACHE MEMORY.**

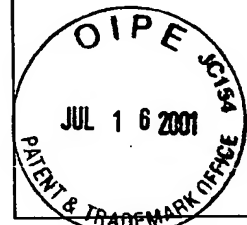
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DORSEY & WHITNEY LLP

Date Stamp



Date Stamp





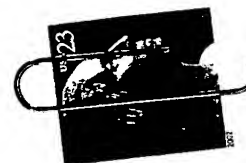
500644.03 (29719/US/2)
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SENT: July 2, 2004

DUE: n/a

Date Stamp



Kindly acknowledge receipt of the below-listed documents by placing your receiving stamp hereon and mailing:

Request for Corrected Filing Receipt; Copy of Filing Receipt; Copy of Application Data Sheet; Copy of Substitute Declaration; Copy of Statement of Non-Deceptive Intent; Copy of Assent of Assignee; Copy of form PTO-1449¹⁵⁴⁵ and Assignment; in re: Brent Keeth et al., USAN 10/815,877, filed March 30, 2004, for METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY AS CACHE MEMORY.

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DORSEY & WHITNEY LLP

500644.03 (29719/US/2)
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SENT: July 2, 2004

DUE: n/a

Date Stamp



Kindly acknowledge receipt of the below-listed documents by placing your receiving stamp hereon and mailing:

Request for Corrected Filing Receipt; Copy of Filing Receipt; Copy of Application Data Sheet; Copy of Substitute Declaration; Copy of Statement of Non-Deceptive Intent; Copy of Assent of Assignee; Copy of form PTO-1449¹⁵⁴⁵ and Assignment; in re: Brent Keeth et al., USAN 10/815,877, filed March 30, 2004, for METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY AS CACHE MEMORY.

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DORSEY & WHITNEY LLP